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Far-From-Equilibrium Dynamics

edited by Toshiyuki Ogawa and Kei-ichi Ueda

May, 2012

**Research Institute for Mathematical Sciences
Kyoto University**

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Preface

The RIMS conference “ Far-From-Equilibrium Dynamics ” was held in January 2011 at the occasion of Professor Yasumasa Nishiura’s 60th birthday. This volume consists of contributions from the invited speakers who have directly or indirectly been inspired by Professor Nishiura. It is, therefore, dedicated to Professor Nishiura in celebration of his 60th birthday.

The title “ Far-From-Equilibrium Dynamics ” came from Professor Nishiura’s book (“ Far-From-Equilibrium Dynamics ”, Y.Nishiura, 2000, AMS) which contains wide variety of topics on non-linear non-equilibrium dynamics. The papers in this volume cover this wide range as well or even more, including fluid dynamics, mathematical biology and computer science, and their underlying mathematical structures including nonlinear waves and propagations, bifurcation phenomena, and so on.

The editors wish to thank the authors to this volume for their cooperation in its preparation and production.

Toshiyuki OGAWA

Kei-ichi UEDA

Editors



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